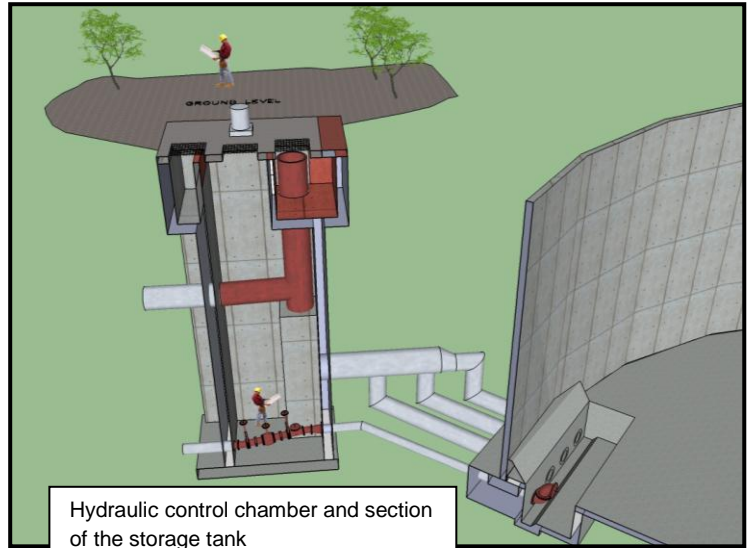


General Information

Any project inquiries should be in writing and directed to:

Tara Wong-Esteban, Project Manager
Seattle Public Utilities
PO BOX 34018
Seattle, WA 98124-4018

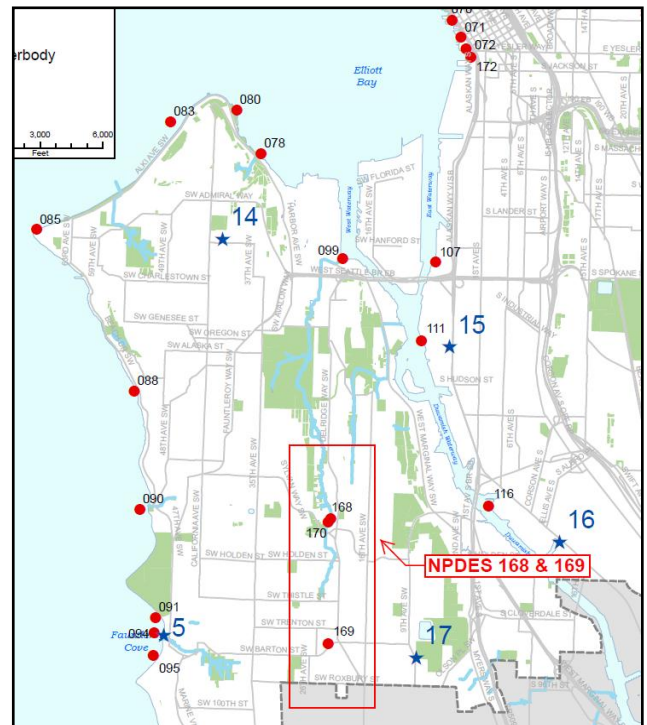
e-Mail: tara.wong-esteban@seattle.gov
Phone: (206) 684-5903



Hydraulic control chamber and section of the storage tank

Background

Seattle Public Utilities (SPU) Combined Sewer Overflow (CSO) National Pollutant Discharge Elimination System (NPDES) permit requires that SPU complete construction of modifications to the CSO control facilities at NPDES 168 and NPDES 169 by November 1, 2015. NPDES 168 and NPDES 169 are located in the Longfellow/Delridge basin in southwest Seattle. The two storage facilities, each 1.6 million gallons in size, are the City's largest CSO storage and control facilities. The facilities were constructed in 1982, and were among the first CSO facilities built by the City. Overflows from each facility have continued to exceed a long-term average of one overflow per year despite being sized to store a 10-year design event. Historically each facility overflows between 1 and 4 times per year. Overflows from the facilities spill into Longfellow Creek. The facilities are the only CSO's in the city that discharge to a stream. The public health risk of these combined sewer overflows is considered to be greater than any other in the city because of the risk of direct contact with sewage and other pollutants.



The Delridge CSO Retrofit Project addresses the following problems and opportunities at NPDES168 and NPDES169.

- CSOs from NPDES168 and NPDES169 spill into Longfellow Creek. The public health risk of these overflows is considered to be greater than any other in the city because of the risk of direct contact with sewage and other pollutants.

Delridge CSO Tank Retrofit Project

- Historically, the CSO storage and control facilities at NPDES 168 and NPDES 169 have not performed as they were designed to perform. Specifically, the HydroBrakes in each facility are overly restrictive, which results in excessive use of storage and frequent overflows.
- The automated cleaning systems in each facility are inadequate and no longer used. Consequently, regular maintenance of the facilities is resource intensive and costly.
- The 2010 CSO Reduction Plan and the 2011-2015 NPDES Permit require that improvements be completed at NPDES168 and NPDES169 by November 1, 2015 to reduce CSOs and meet water quality standards.

Project Scope

Safely construct \$4.5M in improvements to two of our existing combined sewer system while keeping the existing CSO facility in service. The project will follow standard design-bid-build public works process. Work will include new concrete vaults, new combined sewer pipe and maintenance holes, water main replacement, new automatic valves with motor actuators, retrofitting existing underground concrete hydraulic control chambers (including expansion of the structure and concrete lid replacement), ventilation fan replacement, flow monitoring sensor and equipment installation, pavement restoration and landscaping. Work will be in the public right of way and on SPU owned property.

Contracting Opportunities

The estimated construction cost for this project is \$4.5M. The Public Works Process for the Delridge CSO Retrofit Project will be:

Schedule	Date
100% Design Complete	End March 2014
Construction Bid Advertisement	October 2014
Notice to Proceed	January 2014
Construction Completion	November 2015

The construction bid announcement will be posted on: <http://www.seattle.gov/contracting/construction.htm>